The Division of Research & Scholarship
Activity Report

2nd Quarter, Fiscal Year 2018
Jan 1 - Mar 31, 2018
I - Office of Human Research Protection
2nd Quarter, Fiscal Year 2018

Total Number of IRB Protocols Active during Quarter: 1082
Total Number Includes New Protocols Approved during Quarter: 257

<table>
<thead>
<tr>
<th>TRIAL PHASES</th>
<th>SPECIALITIES</th>
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<tbody>
<tr>
<td>Phase I</td>
<td>Adult Oncology 399 (36.9%)</td>
</tr>
<tr>
<td>Phase II</td>
<td>Care Coordination Inst. 14 (1.3%)</td>
</tr>
<tr>
<td>Phase III</td>
<td>Emergency Medicine 16 (1.5%)</td>
</tr>
<tr>
<td>Phase IV</td>
<td>Family/Sports Medicine 22 (2.0%)</td>
</tr>
<tr>
<td>N/A*</td>
<td>IM/Cardiology 14 (1.3%)</td>
</tr>
<tr>
<td></td>
<td>IM/Endocrinology 9 (0.8%)</td>
</tr>
<tr>
<td></td>
<td>IM/Gastroenterology 15 (1.4%)</td>
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<tr>
<td></td>
<td>IM/Infectious Dis. 16 (1.5%)</td>
</tr>
<tr>
<td></td>
<td>Internal Medicine/Other 14 (1.3%)</td>
</tr>
<tr>
<td></td>
<td>Neurology 21 (1.9%)</td>
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<td></td>
<td>Nursing 21 (1.9%)</td>
</tr>
<tr>
<td></td>
<td>Ortho/Steadman-Hawkins 11 (1.0%)</td>
</tr>
<tr>
<td></td>
<td>Ortho/Rehabilitation 7 (0.7%)</td>
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<tr>
<td></td>
<td>Orthopaedics/Other 54 (5.0%)</td>
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<tr>
<td></td>
<td>Pediatrics/Shriners 10 (0.9%)</td>
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<tr>
<td></td>
<td>Peds/Endocrinology 13 (1.2%)</td>
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<tr>
<td></td>
<td>Peds/Gastroenterology 11 (1.0%)</td>
</tr>
<tr>
<td></td>
<td>Peds/Hematology 73 (6.7%)</td>
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<tr>
<td></td>
<td>Oncology 12 (1.1%)</td>
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<tr>
<td></td>
<td>Pediatrics/Other 53 (4.9%)</td>
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<tr>
<td></td>
<td>Pharmacy 12 (1.1%)</td>
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<tr>
<td></td>
<td>Surgery/Vascular 28 (2.6%)</td>
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<tr>
<td></td>
<td>Surgery/Minimally 21 (1.9%)</td>
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<tr>
<td></td>
<td>Invasive Surgery/Oncology 5 (0.5%)</td>
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<tr>
<td></td>
<td>Surgery/Other 40 (3.7%)</td>
</tr>
<tr>
<td></td>
<td>Women’s Health 60 (5.6%)</td>
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<tr>
<td></td>
<td>Women’s Oncology 13 (1.2%)</td>
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<tr>
<td></td>
<td>Clemson University 31 (2.9%)</td>
</tr>
<tr>
<td></td>
<td>USC (includes SOM-G) 27 (2.5%)</td>
</tr>
<tr>
<td></td>
<td>Other** 40 (3.7%)</td>
</tr>
<tr>
<td>Total</td>
<td>1082 (100%)</td>
</tr>
</tbody>
</table>

IRB-A Categories: Adult Non-oncology: Anesthesiology, Emergency Medicine, Family Medicine, Genetics, Internal Medicine, Neurology, Nursing, Orthopaedics, Pathology, Pharmacy, Radiology, Surgery, Women’s Health

IRB-B Categories: All Pediatrics; some practice areas also reviewed by IRB-A

IRB-C Category: Adult Oncology only

*N/A: Not clinical trials
**Other**: Includes minority health, accountable communities, comparative effectiveness research, resident research, otolaryngology, pathology, radiology, perioperative services, psychology, the president’s office, and research with Presbyterian College, MUSC, Furman, Greenwood Genetic Center, and the University of Kansas.

<table>
<thead>
<tr>
<th>ACCOUNTING BY SPECIALTY AND PHASE</th>
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<tbody>
<tr>
<td><strong>Clinical Trials Specialties</strong></td>
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<tr>
<td>----------------------------------</td>
</tr>
<tr>
<td>Adult Oncology</td>
</tr>
<tr>
<td>Care Coordination Institute</td>
</tr>
<tr>
<td>Emergency Medicine</td>
</tr>
<tr>
<td>Family Medicine</td>
</tr>
<tr>
<td>Internal Medicine (all)</td>
</tr>
<tr>
<td>Neurology</td>
</tr>
<tr>
<td>Nursing</td>
</tr>
<tr>
<td>Orthopaedics (all)</td>
</tr>
<tr>
<td>Pediatrics (all)</td>
</tr>
<tr>
<td>Pharmacy</td>
</tr>
<tr>
<td>Surgery (all)</td>
</tr>
<tr>
<td>Women’s Health</td>
</tr>
<tr>
<td>Clemson University</td>
</tr>
<tr>
<td>University of South Carolina</td>
</tr>
<tr>
<td>Other: Genetics; Radiology; CCI; Physical Therapy; Neurology; Emergency Medicine; Geriatrics; Pathology; Family/Sports Medicine; Misc.</td>
</tr>
<tr>
<td><strong>Total Studies (1082)</strong></td>
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</table>

<table>
<thead>
<tr>
<th><strong>Device Trials Specialties</strong></th>
<th>Phase 1</th>
<th>Phase 2</th>
<th>Phase 3</th>
<th>Phase 4</th>
<th>NA/Other</th>
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<tbody>
<tr>
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<td></td>
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<td></td>
<td></td>
<td>4</td>
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<tr>
<td>Internal Medicine (all)</td>
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<td>Neurology</td>
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<td></td>
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<td>6</td>
</tr>
<tr>
<td>Orthopaedics (all)</td>
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<td></td>
<td></td>
<td></td>
<td>7</td>
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<tr>
<td>Surgery (all)</td>
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<td>15</td>
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<td>Women’s Health</td>
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<td>4</td>
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<tr>
<td>Clemson University</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Total Device Trials (46)</strong></td>
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<td></td>
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<td>46</td>
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<table>
<thead>
<tr>
<th>FUNDING SOURCE</th>
<th>REVIEW TYPE</th>
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<tr>
<td>Federally Funded</td>
<td>290</td>
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<tr>
<td>Industry Sponsored</td>
<td>215</td>
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<td>Private Non-Profit</td>
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<tr>
<td>Internal Funding</td>
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<tr>
<td>No Funding</td>
<td>441</td>
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<tr>
<td>Other</td>
<td>58</td>
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<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1082</td>
</tr>
</tbody>
</table>

**Clinical Research**: any research or procedure involving human subjects in vivo or the use of human samples for the development and evaluation of patient therapies such as diagnostic tests, drug therapies, or medical devices. It includes early clinical studies, epidemiological studies and clinical trials. It does not include a Faculty Member’s participation in the design of a clinical study for which he/she is subsequently neither a participant nor an author.
The Office of Clinical Trials is in the process of re-evaluating its reporting methodology to identify the most important and impactful metrics to share with the Research Division.
III - GHS Sponsored Programs Activity Report
2nd Quarter, Fiscal Year 2018

OVERALL SUMMARY

Quarterly Summary - GHS

<table>
<thead>
<tr>
<th></th>
<th>FY17 Q2</th>
<th>FY18 Q2</th>
<th>% Change</th>
<th>FY17 YTD</th>
<th>FY18 YTD</th>
<th>% Change</th>
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<td>Value of Proposals</td>
<td>$4,358,400</td>
<td>$15,178,949</td>
<td>248%</td>
<td>$11,991,079</td>
<td>$19,264,030</td>
<td>61%</td>
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<td>Number of Proposals</td>
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<td>36</td>
<td>44%</td>
<td>45</td>
<td>60</td>
<td>33%</td>
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<tr>
<td>Value of Awards</td>
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<td>$10,447,450</td>
<td>938%</td>
<td>$2,618,354</td>
<td>$14,274,578</td>
<td>445%</td>
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<tr>
<td>Number of Awards</td>
<td>16</td>
<td>17</td>
<td>6%</td>
<td>33</td>
<td>41</td>
<td>24%</td>
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</table>

DIABETES ACTIVITY SUMMARY

Diabetes Related Projects

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<th>Number</th>
<th>Value</th>
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</thead>
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<tr>
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<td>5 $1,662,288</td>
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<tr>
<td></td>
<td>Q2</td>
<td>1 $219,105</td>
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<td>Awards</td>
<td>Q1</td>
<td>4 $1,349,375</td>
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<tr>
<td></td>
<td>Q2</td>
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</table>

Included projects noted by project title (*)

EXPENDITURES SUMMARY

FY 18 Expenditures

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<tr>
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<tbody>
<tr>
<td>Q1</td>
<td>$1,639,657</td>
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</tr>
<tr>
<td>Q2</td>
<td>$2,203,520</td>
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<tr>
<td>Total</td>
<td>$3,843,177</td>
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## PROPOSAL SUMMARY

### Total Proposal Activity

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<th>PRIME</th>
<th>SUB</th>
<th>TOTAL</th>
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<th>Indirect Cost</th>
<th>Cost Share</th>
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<tr>
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<td>3</td>
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<td>0</td>
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<tr>
<td>Family Medicine</td>
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<td>2</td>
<td>0</td>
<td>$36,364</td>
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<td>3</td>
<td>$23,107</td>
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<td>$31,762</td>
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<td>Internal Medicine</td>
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<td>6</td>
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<td>$199,853</td>
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<td>Psychiatry/Behavioral Medicine</td>
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<td>$499,188</td>
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<td>$499,188</td>
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<td>Pathology</td>
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</tr>
<tr>
<td>Radiology</td>
<td></td>
<td></td>
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<tr>
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<td>$1,667</td>
<td>$333</td>
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<td>$28,300</td>
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<td>Roger C. Peace</td>
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<tr>
<td>Cancer Institute</td>
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<td>4</td>
<td>$324,214</td>
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<td>Clinical Integration</td>
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<td>0</td>
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<tr>
<td>Bradshaw Institute</td>
<td>5</td>
<td>3</td>
<td>8</td>
<td>$3,126,489</td>
<td>$991,900</td>
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<td>Nursing Academics</td>
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<td>0</td>
<td>$26,932</td>
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<td>0</td>
<td>$78,461</td>
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<td>$78,461</td>
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</tbody>
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**TOTAL** 21 15 36 $13,019,376 $2,159,573 $679,161 $15,178,949

### Proposal Activity by Classification

- **Research**: 39%
- **Other Sponsored Activity**: 61%
- **Instruction**: 61%

### Proposal Activity by Sponsor Type

- **Federal Pass Through**: 54%
- **Federal**: 15%
- **State**: 8%
- **Foundation**: 23%
- **Industry**: 23%
## AWARD SUMMARY

### Total Award Activity

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<tr>
<th>Department</th>
<th>NEW</th>
<th>CONTINUED</th>
<th>TOTAL</th>
<th>Direct Cost</th>
<th>Indirect Cost</th>
<th>Total Awarded</th>
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<td>Obstetrics and Gynecology</td>
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<td>2</td>
<td>$165,547</td>
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<td>$90,000</td>
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<tr>
<td>Family Medicine</td>
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<td>1</td>
<td>$4,545</td>
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<td>$5,000</td>
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<tr>
<td>Surgery (Orthopaedics)</td>
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<td>2</td>
<td>$7,000</td>
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<tr>
<td>Internal Medicine</td>
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<td>3</td>
<td>$9,284,861</td>
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<td>Pediatrics</td>
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<td>Psychiatry/Behavioral Medicine</td>
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<tr>
<td>Anesthesiology</td>
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<tr>
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<td>1</td>
<td>1</td>
<td>$117,000</td>
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<tr>
<td>Roger C. Peace</td>
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<tr>
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<td>$10,263</td>
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<td><strong>TOTAL</strong></td>
<td>12</td>
<td>5</td>
<td>17</td>
<td>$10,103,553</td>
<td>$343,897</td>
<td>$10,447,450</td>
</tr>
</tbody>
</table>

### Sponsored Awards Classification

- **Research**: 29%
- **Other Sponsored Activity**: 71%
- **Instruction**: 29%

### Sponsored Awards by Sponsor Type

- **Federal Pass Through**: 47%
- **Federal**: 46%
- **State**: 3%
- **Foundation**: 7%
- **Industry**: 71%
The Office of Sponsored Programs reports that GHS faculty and staff members submitted the following 36 proposals, totaling $15,178,949, during the second quarter of fiscal year 2018.

Department of Obstetrics and Gynecology

Dr. Kacey Eichelberger  Greenville Health Authority via The Phoenix Center
*Integrated Prenatal Care & Substance Use Disorder Treatment for Women (Magdalene Clinic)*
Funding will expand the Magdalene Clinic, which offers comprehensive SUD treatment and prenatal care services to pregnant women struggling with substance misuse. This project will improve birth outcomes for mothers, in terms of length of gestation and birth weight, as well as the children born to these mothers (i.e. reduction in cases of neonatal abstinence syndrome and fetal alcohol spectrum disorders, fewer birth defects, fewer admissions and reduced length of stay in the neonatal intensive care unit, etc.).
Project Dates: 05/16/2018 – 05/15/2023
Total: $711,644; Direct Cost: $660,595; Indirect Cost: $51,049

Dr. Bruce Lessey  Endometriosis Foundation of America
*Rapid Testing for Endometriosis: A Feasibility Study*
The study aims to 1) use ELISA technology (commercially available biomarker kits) to evaluate levels of the previously confirmed biomarkers BCL6, KRAS, SIRT1 and galectin-9 in the samples of blood, saliva, cervical mucus and urine from patients with endometriosis of various stages: early, middle and advanced, and 2) determine the single biomarker or combination of biomarkers and type of patient samples that yield the best predictive value, sensitivity and specificity for the diagnosis of endometriosis, for all stages of the disease.
Project Dates: 04/01/2018 – 03/31/2019
Total: $25,000; Direct Cost: $22,727; Indirect Cost: $2,273

Dr. Bruce Lessey  National Institutes of Health via Clemson University
*SIRT1 and BCL6: Dual Biomarkers of Endometriosis and Endometrial Receptivity*
A validated test for endometriosis with clinical relevance is currently not available. Inflammation is a defining characteristic of endometriosis and is associated with pain and infertility, and directly promotes the expression of two co-expressed biomarker proteins, BCL6 and SIRT1 that are used for the diagnosis of endometriosis. These proteins directly alter the actions of the hormone progesterone, which is essential for pregnancy, contributing to the pathophysiology of this disease and the infertility that women with endometriosis experience. The project goal is to translate new discoveries based on these proteins into a rapid, less invasive test for endometriosis that will be available for all women.
Project Dates: 01/01/2019 – 06/30/2021
Total: $277,471; Direct Cost: $177,412; Indirect Cost: $100,059

Department of General Surgery

Dr. Alfredo Carbonell  Foundation for Surgical Fellowships
*MIS Fellowship Grant*
This funding will be used to support the GHS Surgery Fellowship program and is awarded based on criteria of excellence.
Project Dates: 08/01/2019 – 07/31/2020
Total/Direct Cost: $62,629
Dr. Vicki Nelson  
American Medical Society for Sports Medicine Foundation  
**Neural Prolotherapy for the Treatment of Knee Osteoarthritis**  
This study will 1) compare effectiveness of neural prolotherapy vs. intraarticular corticosteroid in improving pain, stiffness, & function in patients w/knee osteoarthritis, 2) evaluate overall patient satisfaction in patients treated with prolotherapy vs. intraarticular corticosteroid in the management of knee osteoarthritis, and 3) delineate the safety profile of prolotherapy in the tx of knee osteoarthritis.  
Project Dates: 07/01/2018 – 06/30/2020  
Total: $20,000; Direct Cost: $18,182; Indirect Cost: $1,818

Dr. Vicki Nelson  
American Medical Society for Sports Medicine Foundation  
**Defining the Effects of Concussion on Driving Safety in Athletes**  
The study aims to 1) determine whether concussion affects driving safety through on-road driving assessment, and 2) correlate concussive symptoms and neuropsychological assessments with driving performance to identify appropriate indicators and/or screening tools that may guide driving recommendations after concussion.  
Project Dates: 07/01/2018 – 06/30/2020  
Total: $20,000; Direct Cost: $18,182; Indirect Cost: $1,818

Department of Orthopaedic Surgery

Dr. Thomas Pace  
Department of Defense via Clemson University  
**Augmenting Plain Radiographs with Chemical Indicators**  
GHS will assist in cadaver work and help the veterinarian in implanting orthopedic plates. The team will assist in reviewing radiographs and determine interobserver precision in pH measurements.  
Project Dates: 07/01/2018 – 12/31/2019  
Total: $24,000; Direct Cost: $15,345; Indirect Cost: $8,655

Dr. Thomas Schaller  
DePuy Synthes  
**Resident Travel Support**  
This funding will support resident travel to the AO Advanced Trauma Course in March 2018.  
Project Dates: 03/01/2018 – 03/31/2018  
Total/Direct Cost: $2,682

Dr. Thomas Schaller  
Zimmer Biomet  
**Resident Travel Support**  
This funding will support resident travel to the AAOS 2018 Annual Meeting in March 2018.  
Project Dates: 03/06/2018 – 03/10/2018  
Total/Direct Cost: $5,080

Nursing Academics

Dr. Angela Orsky  
Health Resources & Services Administration via Clemson University  
**Preparing Practice Ready Baccalaureate Nurses for Primary Care**  
The GHS team will be responsible for establishing relationships with primary care sites and will work closely with the NIPCPR team to understand the community. They will maintain relationships with all relevant healthcare facilities that provide diagnostic, treatment and social services to patients.  
Project Dates: 07/01/2018 – 06/30/2022  
Total: $29,088; Direct Cost: $26,932; Indirect Cost: $2,156
**Department of Psychiatry & Behavioral Health**

**Dr. Lance Feldman**  
Greenville Health Authority  
*The Impact of Gifted and Talented Education in Early Elementary School*

This project will develop and implement direct gifted and talented programming for 1st and 2nd grade students at eight local elementary schools in communities of low socioeconomic opportunity, as well as a 1-2 week summer program for children and parents focused on physical and emotional well-being.  
Project Dates: 05/16/2018 – 05/15/2023  
Total/Direct Cost: $499,188

**Department of Emergency Medicine**

**Dr. Page Bridges**  
Emergency Medicine Residents’ Association  
*Emergency Medicine Interest Group (EMIG) University of South Carolina School of Medicine Greenville*

EMIG will host a lunch at the USCSOMG featuring a local police officer who is involved in efforts to address human trafficking in Greenville, followed by an event where student members will label and package soap for distribution in the emergency department patient bathrooms. Soap labels will contain statements of support, national hotlines, and local resources, which will be easily accessible to victims but not seen by traffickers.  
Project Dates: 05/01/2018 – 04/30/2019  
Total/Direct Cost: $865

**Dr. Ron Pirrallo**  
National Science Foundation via Clemson University  
*CRISP 2.0 Type 2: Enabling Resilient Interdependent Communication and Healthcare (ENRICH) Systems in Rural America*

GHS will provide consultation on current healthcare facility preparedness practices, emergency medical services system design, emergency patient care outcomes, and strategies for communicating the project’s modeling to clinicians and healthcare decision-makers.  
Project Dates: 08/01/2018 – 07/31/2022  
Total: $78,476; Direct Cost: $50,176; Indirect Cost: $28,300

**Health Sciences Center**

**Dr. Matthew Hudson**  
University of South Carolina College of Pharmacy  
*Evaluating and Assessing the Preference for a Center for Cancer Prevention and Wellness (CCPW)*

The purpose of this study is to assess the capacity of a coordinated cancer center (Center for Cancer Prevention and Wellness) to identify and service asymptomatic patients benefitting from evidence-based screening for an array of cancers.  
Project Dates: 04/01/2018 – 03/30/2019  
Total/Direct Cost: $28,461

**David Sudduth**  
Sanders Family Foundation  
*University of South Carolina School of Medicine Greenville (USCSOMG) - Paladin Scholarship*

Funding will provide a medical student scholarship designated for a Furman University graduate. A three-member panel will select a Furman student who has been accepted into USCSOMG. The panel will be comprised of one representative from Greenville Health System, one from Furman University and another from the Sanders Family Foundation. A majority vote will approve the student to be selected for the Furman graduate USCSOMG Paladin scholarship.  
Project Dates: 05/01/2018 – 04/30/2019  
Total/Direct Cost: $50,000
Dr. Melissa Bailey  
**Greenville Health Authority via Furman University**

**Addressing Health-Harming Legal Barriers in the Senior Population of Greenville**

This project will expand the existing Medical Legal Partnership (MLP) to address critical health-harming civil legal barriers facing vulnerable geriatric populations. This will lead to reduced socio-economic barriers to health and improved outcomes for this population. GHS will provide locations for the MLP program and access to patients, as well as facilitate integration of MLP tracking capabilities into EPIC.

Project Dates: 05/16/2018 – 05/15/2021  
Total: $378,868; Direct Cost: $344,425; Indirect Cost: $34,443

Dr. Meredith Eicken  
**Health Resources & Services Administration**

**Upstate South Carolina Primary Care Fellowship Program (USCPCF)**

Funding will support the establishment of the USCPCF, a novel program with the goal to strengthen the primary care workforce and improve community health care and education by training primary care providers in healthcare transformation and leadership skills, supporting innovative community-based projects, and fostering academic-community collaborations.

Project Dates: 09/01/2018 – 08/31/2023  
Total: $1,993,166; Direct Cost: $1,845,524; Indirect Cost: $147,642

Dr. Meenu Jindal  
**Greenville Health Authority via Clemson University**

**Mindfulness Interventions to Address Depression, Substance Misuse and Physical Inactivity**

Dr. Jindal will direct the referral process from the Internal Medicine Clinic. Patients with physical inactivity, depression and substance use will be recruited to participate in the mindfulness interventions.

Project Dates: 05/16/2018 – 05/15/2023  
Total: $55,000; Direct Cost: $50,000; Indirect Cost: $5,000

Dr. Meenu Jindal  
**Substance Abuse and Mental Health Services Administration**

**Coaches Advancing REcovery through SBIRT (CARE-SBIRT)**

CARE-SBIRT will expand SBIRT services throughout a four-county catchment area. The specific intervention will include integrating SBIRT prescreens and extended screens into clinical workflow in both inpatient and outpatient settings and warm hand offs to recovery coaches who will provide evidence-based treatment interventions and referrals for further treatment as needed.

Project Dates: 09/30/2018 – 09/29/2023  
Total: $4,940,134; Direct Cost: $4,437,029; Indirect Cost: $503,105

Dr. Bill Kelly  
**Centers for Disease Control and Prevention via SimTunes, LLC**

**Simulation Education for Ebola Healthcare Team Competency**

GHS will provide support to help prove superiority of method of training and decay of performance over time and the efficacy of Medical Unit Specialized Simulation Training (MUSST) regardless of site.

Project Dates: 10/01/2018 – 09/30/2020  
Total: $198,292; Direct Cost: $126,785; Indirect Cost: $71,507

Dr. Alain Litwin  
**Robert Wood Johnson Foundation via University of South Carolina**

**Building Trust through Shared Decision Making: Creating Dialogue around Treatment for Rheumatoid Arthritis in Older Adults**

GHS will recruit patients, provide feedback on how to execute recruitment and data collection within the flow of routine care provided for RA patients, and advise on how the priority tool can be implemented in a way that is most useful for providers.

Project Dates: 06/15/2018 – 06/14/2020  
Total: $14,438; Direct Cost: $12,891; Indirect Cost: $1,547
Cancer Institute

Dr. Larry Gluck  The Daniel-Mickel Foundation  
Center for Cancer Prevention and Wellness (CCPW) Pilot Program  
The goal of the CCPW is to provide customized cancer surveillance and prevention interventions based on an individual's specific health status and personal history, as well as their particular genetic, molecular and immune profile.  
Project Dates: 09/01/2018 – 08/31/2019  
Total/Direct Cost: $274,873

Dr. Mark O’Rourke  SC Tobacco-Free Collaborative  
SC CAN Quit Initiative  
The goal of the SC CAN Quit Initiative is to implement the National Comprehensive Cancer Network (NCCN) Clinical Practice Guidelines in Cessation in South Carolina’s Cancer Centers by changing the clinical culture and practice patterns. This will ensure that every newly diagnosed patient being treated for cancer who uses tobacco is identified and documented in the patient record, advised to quit, and offered evidence-based tobacco cessation treatments, including addressing relapse.  
Project Dates: 02/01/2018 – 01/31/2019  
Total/Direct Cost: $20,000

Dr. Mark O’Rourke  National Institutes of Health via Oregon Health and Science University  
SWOG NCORP Research Base  
Dr. O’Rourke will provide Scientific Leadership within SWOG as Co-Chair of the Palliative Care Committee. This role includes oversight and input regarding developing and ongoing protocols, mentoring junior investigators, trial monitoring, analysis and reporting or results, partnership with committee patient advocates, evaluating and incorporating diversity and disparities objectives and leveraging resources at the committee level.  
Project Dates: 04/01/2018 – 07/31/2019  
Total: $36,505; Direct Cost: $23,341; Indirect Cost: $13,164

Kerri Susko  Cancer Support Community  
Frankly Speaking About Cancer Standard and Innovation Workshop Grants  
Funding will support cancer education workshops, which will empower patients, caregivers and loved ones to gain knowledge as it relates to their own personal experience with cancer. Each workshop is led by a health care professional specializing in the cancer-related workshop topic being presented.  
Project Dates: 03/01/2018 – 02/28/2019  
Total/Direct Cost: $6,000

Department of Anesthesiology

Dr. Robert Morgan  SCRA-Academia Collaboration Team (SACT) via Clemson University  
RELIEVE (viRtual rEaLity IntErVEntion) – An Immersive Technology Intervention for Managing Acute Pain and Anxiety  
The GHS team will advise the Clemson team on the experimental research design and the virtual reality development of the scenarios to reduce anxiety, as well as provide feedback on the bio-feedback algorithms chosen for the virtual reality development.  
Project Dates: 07/01/2018 – 06/30/2019  
Total: $2,000; Direct Cost: $1,667; Indirect Cost: $333
Clinical Integration

Jennifer Snow  Greenville Health Authority

*Community Support Team Network—Mobilizing and Empowering Churches & Community Organizations*

Patients eligible for medical services under insurance can experience hardships for non-medical services that result in medical and behavioral health declines. The CSTN will aim to relieve patients of the non-medical services or needs that affect their quality of life at home.

Project Dates: 05/16/2018 – 05/15/2023

Total: $994,130; Direct Cost: $912,043; Indirect Cost: $82,087

Department of Pediatrics

Dr. Desmond Kelly  National Institutes of Health via University of South Carolina

*Early-phase trial of TMS-based neuromodulation in autism spectrum disorder*

The aims of this project are to 1) investigate the change in expression of evoked and induced gamma oscillations and their coherence in cognitive test as they relate to cognitive control and behavioral symptom evaluation measures in an rTMS trial for ASD, and 2) investigate the effects of moderators and mediators of positive outcomes in rTMS treatment.

Project Dates: 12/03/2018 – 12/02/2021

Total: $312,570; Direct Cost: $199,853; Indirect Cost: $112,717

Bradshaw Institute for Community Child Health & Advocacy

Dr. Cara Reeves  Greenville Health Authority via Furman University

*A Community-based Approach to Obesity and Diabetes Prevention among Hispanic Youth*

New Impact will serve as the primary pediatric weight management site for Hispanic youth recruited for the program. GHS will provide a Health Educator who will expand ability to deliver culturally competent care and reduce language barriers for Hispanic patients through nutritional counseling, health education and cooking classes, community outreach at SBHCs, and data management/reporting.

Project Dates: 05/16/2018 – 05/15/2021

Total: $219,105; Direct Cost: $199,186; Indirect Cost: $19,919

Dr. Kerry Sease  The Duke Endowment

*Pediatric Support Services: The mechanism to identify the physical, emotional, developmental, and psychosocial needs of Upstate South Carolina children and make connections to community resources*

PSS is the answer to the current disjointed pediatric service coordination for children with special developmental, behavioral and psychosocial needs served by many health systems, including GHS. PSS allows providers to make one simple referral in the EMR system to a service connection point, where concerns are triaged and the child and family are referred to the most appropriate support.

Project Dates: 06/01/2018 – 05/31/2021

Total/Direct Cost: $928,975; Cost Share: $523,942

Dr. Kerry Sease  Patient-Centered Outcomes Research Institute via Mass General Hospital

*Dissemination and Implementation of Effective Childhood Obesity Treatment Innovations*

GHS will engage a group of diverse stakeholders to facilitate the implementation and sustainability of proposed interventions strategies for practices caring for low-income children. The project will assess family communication preferences as well as contextual barriers and facilitators to the uptake of the proposed intervention tools and implementation strategies among clinicians and parents.

Project Dates: 10/01/2018 – 09/30/2021

Total: $372,062; Direct Cost: $265,759; Indirect Cost: $106,303
Linda Brees  
**Rotary Club of Greenville**

*Provision of pro bono legal education and legal services to at-risk mothers*

The goal of the legal training will be to educate moms-to-be on critical South Carolina health-related legal issues that arrive with their child’s birth (i.e. paternity, child support, custody, DHEC registration, etc.). Often, there are serious health-harming legal consequences to a child if these issues are not properly understood and addressed in a pro-active way at birth.

*Project Dates: 07/01/2018 – 12/31/2019*

Total/Direct Cost: $15,000

Michelle Greco  
**The Sisk Foundation**

*Cribs for Kids*

Funding will support the Cribs for Kids program administered by the Child Abuse Prevention and Injury Prevention teams (Safe Kids Upstate. Upstate Cribs for Kids, through community partners, provides parents with safe sleep education, portable cribs for families in need and information about safe infant sleeping environments. The mission of Upstate Cribs for Kids is to reduce the number of infant deaths due to unsafe sleeping environments and to promote awareness of safe sleep practices.

*Project Dates: 04/01/2018 – 03/31/2019*

Total/Direct Cost: $17,500

Dr. Nancy Henderson  
**Centers for Disease Control and Prevention**

*Sudden Unexpected Infant Death (SUID) and Sudden Death in the Young (SDY) Case Registry*

This registry will be implemented in a seven-county area of Upstate South Carolina. These counties, Abbeville, Anderson, Greenville, Greenwood, Laurens, Oconee and Pickens, are a mix of urban and rural areas with diverse populations in terms of socio-economic, educational and racial demographics. The majority of these counties have limited investigative resources and differing death scene protocols – this grant will allow for standardization of investigations, reporting, analysis, and the ability to identify trends for targeted injury prevention programming in a timely manner.

*Project Dates: 09/30/2018 – 09/29/2023*

Total: $2,189,673; Direct Cost: $1,400,047; Indirect Cost: $789,626

Dr. Kerry Sease  
**United Way of Greenville County**

*School-Based Health Clinics*

Funding will support salaries (the current staff and the expansion staff who will need to be hired and in place before the start of the 2018 academic year), as well as start-up costs (travel, materials and supplies, printing of the consent packets, and education/training) that will enable the School-Based Health Center to open the existing clinics and begin operations at Carolina High School in fall 2018.

*Project Dates: 07/01/2018 – 06/30/2019*

Total: $155,219; Direct Cost: $99,245; Indirect Cost: $55,974; Cost Share: $155,219

Jane Witowski  
**Greenville Health Authority via Pendleton Place**

*Improving the Physical and Mental Health of Young Children Entering Foster Care*

Help Me Grow (HMG) SC will expand its developmental and behavioral health screening management as well as routine follow-up with families in order to collect data to demonstrate improved health outcomes. HMG SC will build program capacity which will allow increased opportunities to serve children 0-5 entering foster care in Greenville County.

*Project Dates: 05/16/2018 – 05/15/2021*

Total: $220,855; Direct Cost: $200,777; Indirect Cost: $20,078
The Office of Sponsored Programs reports that GHS faculty and staff members received the following 17 awards, totaling $10,447,450, during the second quarter of fiscal year 2018.

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<thead>
<tr>
<th>Institute/Program</th>
<th>Award Description</th>
<th>Award Details</th>
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<td><strong>Bradshaw Institute for Community Child Health &amp; Advocacy</strong></td>
<td>Help Me Grow Expansion</td>
<td>Jane Witowski</td>
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<tr>
<td><strong>Jane Witowski</strong></td>
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<td><strong>Lorraine Cragan-Sullivan</strong></td>
<td>Learn the Signs. Act Early (LTSAE) Ambassadors Program</td>
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<td><strong>Department of Family Medicine</strong></td>
<td>Bullying and Hazing in Collegiate Student Athletes: Owning Responsibility and Building a Culture of Safety</td>
<td>Dr. Vicki Nelson</td>
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<td><strong>Emergency Management</strong></td>
<td>HPP and PHEP Cooperative Agreements</td>
<td>Kristen Kolleda</td>
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Department of Orthopaedics

Dr. Thomas Schaller  
Zimmer Biomet  
Resident Travel Support  
Funding to support resident travel to the AAOS 2018 Annual Meeting  
Project Dates: 03/06/2018 – 03/10/2018  
Total/Direct Cost: $5,000

Dr. Thomas Schaller  
DePuy Synthes  
Resident Travel Support  
Funding to support resident travel to the AO Advanced Principles of Fracture Management conference.  
Project Dates: 03/22/2018 – 03/25/2018  
Total/Direct Cost: $2,000

Health Sciences Center

Dr. Mathew Hudson  
National Institutes of Health via NRG Oncology Foundation, Inc.  
NRG Oncology NCORP Research Base  
Funding to support Dr. Hudson’s time in serving as NCORP Committee Chair – CCDR.  
Project Dates: 01/01/2018 – 07/31/2018  
Total: $16,051; Direct Cost: $10,263; Indirect Cost: $5,788

Department of Obstetrics and Gynecology

Dr. Benjie Mills  
National Institutes of Health via Yale University  
Data Coordination Center for the RMN  
Funding to support the continuation of the "Optimal treatment for women with a Persisting Pregnancy of Unknown Location - a Randomized Clinical Trial of women at risk for ectopic pregnancy: Active Treatment versus Expectant Management (No Treatment) (ACTorNOT) trial".  
Project Dates: 12/01/2017 – 11/30/2018  
Total/Direct Cost: $1,603

Dr. Katie Isham  
New Morning Foundation  
Choose Well Initiative  
Funding to support the continuation of the Choose Well program at Greenville Memorial and its expansion into Laurens. Choose Well intends to reduce unintended pregnancy by offering women information and affordable access to eight different methods of contraception. The primary intent of this pilot project is to increase access to developmental screening and monitoring, and linkage to services for CPS and FC families receiving the SC Child Care Voucher in Greenville, Spartanburg, and Pickens counties.  
Project Dates: 01/01/2018 – 12/31/2018  
Total: $180,347; Direct Cost: $163,944; Indirect Cost: $16,403

Department of Surgery

Dr. Marcus Stanbro  
American Board of Venous and Lymphatic Medicine  
VLM Fellowship  
Funding to support the new Venous and lymphatic Medicine (ABVLM) fellowship program.  
Project Dates: 07/01/2018 – 06/30/2021  
Total/Direct Cost: $90,000
Department of Emergency Medicine

Dr. Phillip Moschella  CDC via SC DHEC  
*HIV Testing in the Emergency Department*
This award is intended to support the continuation of conducting HIV testing in the Emergency Dept.
Project Dates: 01/01/2018 – 12/31/2018  
Total/Direct Cost: $117,000

Department of Internal Medicine

Dr. Meenu Jindal  American Cancer Society  
*Decision Aid Implementation for Colorectal Cancer Screening in Primary Care Settings*
This project is aimed at increasing opportunities for discussion between primary care and the patients regarding colorectal cancer screening through the use of a decision aid and will involve education of internal medicine residents as to the use of such a tool and the shared decision making process.
Project Dates: 01/01/2018 – 12/31/2018  
Total/Direct Cost: $5,000

Dr. Alain Litwin  Patient-Centered Outcomes Research Institute  
*Patient-Centered Models of HCV Care for People Who Inject Drugs*
In working with 8 sites across the country, this randomized controlled trial compares two ways to provide treatment for people with hepatitis C who inject drugs: one group takes their medicine in front of a staff member in person or by video, and the other group gets help from a patient navigator. Examined outcomes include the numbers of patients who start, comply with, and finish treatment; become resistant to the medicine, and/or become re-infected with hepatitis C. Likewise, the research team is looking at whether issues such as homelessness, mental illness, and lack of knowledge about hepatitis C affect treatment outcomes by interviewing patients and clinic leaders, staff, navigators, and research staff.
Project Dates: 12/04/2017 – 01/31/2021  
Total: $9,504,125; Direct Cost: $9,241,581; Indirect Cost: $262,544

Dr. Mahmoud Rayes  National Institutes of Health via MUSC  
*Program to Avoid Cerebrovascular Events through Systemic Electronic Tracking and Tailoring of an Eminent Risk-factor (PACESETTER)*
Dr. Rayes will provide project oversight as his team screens, enrolls and consents patients for this study which aims to assess the incorporation of its stroke intervention into all 3 safety net/academic health system thereby enhancing knowledge about the complexity of stroke interventions and especially the nature of the challenges encountered in low resource settings and for populations traditionally underrepresented in research. Altogether, the intervention, if proven implementable and effective, may eventually be exported to other medically underserved populations in the US beyond SC as a feasible model of post-stroke management.
Project Dates: 09/20/2017 – 04/30/2018  
Total: $59,870; Direct Cost: $38,280; Indirect Cost: $21,590
Dr. Mark O’Rourke   National Institutes of Health via Oregon Health and Science University
SWOG NCORP Research Base
Dr. O’Rourke will be providing Scientific Leadership within SWOG as Co-chair of the Palliative Care Committee. SWOG committee specific activities include oversight and input regarding developing and ongoing protocols, mentoring junior investigators, trial monitoring, analysis and reporting or results, partnering with committee patient advocates, evaluating and incorporating diversity and disparities objectives as appropriate and leveraging of resources at the committee level.
Project Dates: 04/01/2018 – 07/31/2018
Total: $9,126; Direct Cost: $5,835; Indirect Cost: $3,291

Dr. Mark O’Rourke   SC Tobacco-Free Collaborative
SC CAN Quit Initiative
The goal of the SC CAN Quit Initiative is to implement the National Comprehensive Cancer Network Clinical Practice Guidelines in Cessation in South Carolina’s cancer centers by changing the clinical culture and practice patterns to ensure that every newly diagnosed patient being treated for cancer who uses tobacco is identified and documented in the patient record, advised to quit, and offered evidence-based tobacco cessation treatments including addressing relapse.
Project Dates: 02/01/2018 – 01/31/2019
Total/Direct Cost: $20,000